

Abstract

An apparatus for making a hose including a weaving machine and a liner feeder for forming the hose by weaving a jacket about a liner as the liner is being
5 fed into the weaving machine, where the liner is provided with an adhesive layer on an outer surface, the adhesive layer being doped with a radiation absorbing element. The apparatus includes a feeder for receiving and for flattening the hose and an oven located downstream from the feeder, including a bore through which the hose passes, the oven including a module for applying radiation to the hose so
10 that the radiation absorbing element heats following the application of radiation for bonding the liner to the jacket. A winder is located downstream at a predetermined distance away from the oven for pulling and winding the hose and provided with a pressurizer for internally pressurizing a portion of the hose located between the winder and the feeder so that when the hose is in the oven, the pressurizer forces
15 the liner against the jacket. A controller is provided for controlling the various elements of the apparatus. Also disclosed is a method for curing a hose and the hose so obtained.